Advanced **S**ervice **A**nd **P**arts, LLC
1276 Fonderwhite Road
Lebanon, PA 17042
Tech Support Line: 717-274-9396

WARNING – READ THIS NOTICE *BEFORE* INSTALLING YOUR MODEL 720305 REGULATOR!

To extend the trouble-free operation and life of your generator we recommend that before installing your new Model 720305 Replacement Regulator a qualified generator mechanic should perform the preventive maintenance procedures listed below. Failure to do this can damage the Regulator and thus may void its Warranty.

Your new Model 720305 replacement regulator is designed to replace ONAN EMERALD SERIES P/N 305-0782-01, 305-0809-01, MICROLITE P/N 305-0851, and the MARQUIS regulator # 305-0826. It cannot be substituted for ONAN part numbers 305-0809-02, 03, and 04. As of June 2002, we have had several reports of the unit being used to successfully replace part number 305-0809-05.

Note: Under load, if the engine is not running properly or miss-adjusted, this will cause an increase in the current demand for J4-10. This can over heat the voltage regulator – the greater the load the greater the current demand. (This will greatly shorten the life of the regulator, be it our Replacement or an ONAN original). Refer to the ONAN service manual that came with the generator – see Engine Primary System for Governor Troubleshooting and adjustment.

Preventive Maintenance Procedure:

WARNING*: *Only a qualified generator mechanic should perform the maintenance.

To remove old voltage regulator:

- **Remove air cleaner.**
- **Remove generator access cover.**
- **Remove brush block & brushes.**
- **Hold a commutator stone (ONAN tool # 420-0259) against slip rings. Crank engine 5 – 8 seconds and follow with a rest period so the starter will not over heat, repeat until rings are clean & pits removed.**
- **Test rotor for proper resistance (see service manual).**
- **Test rotor for grounds.**
- **Reinstall brush block and brushes; make sure brushes are free in holder.**

Install new part # 720305 replacement regulator. ***You will not need the extra 2 wires that attached to the capacitor on the original regulator of some models. Just tape them & secure out of the way.***

***NOTE*: If carburetor is not functioning properly, (causing rough running or surges) this will cause strain on the Regulator and may void warranty.**

NOTICE: Advanced Service And Parts, LLC is not responsible for improper use or application of this regulator. Once installed, used, or "plugged in" it cannot be returned! Please be sure you determine that this is the correct model before ordering.